

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
 United States Patent and Trademark
 Office
 Box PCT
 Washington, D.C.20231
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 28 March 2000 (28.03.00)	
International application No. PCT/SE99/01210	Applicant's or agent's file reference 2998666
International filing date (day/month/year) 02 July 1999 (02.07.99)	Priority date (day/month/year) 03 July 1998 (03.07.98)
Applicant BERN, Marie	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

14 January 2000 (14.01.00)

☐ in a notice effecting later election filed with the International Bureau on:
2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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H04Q 7/22

A1

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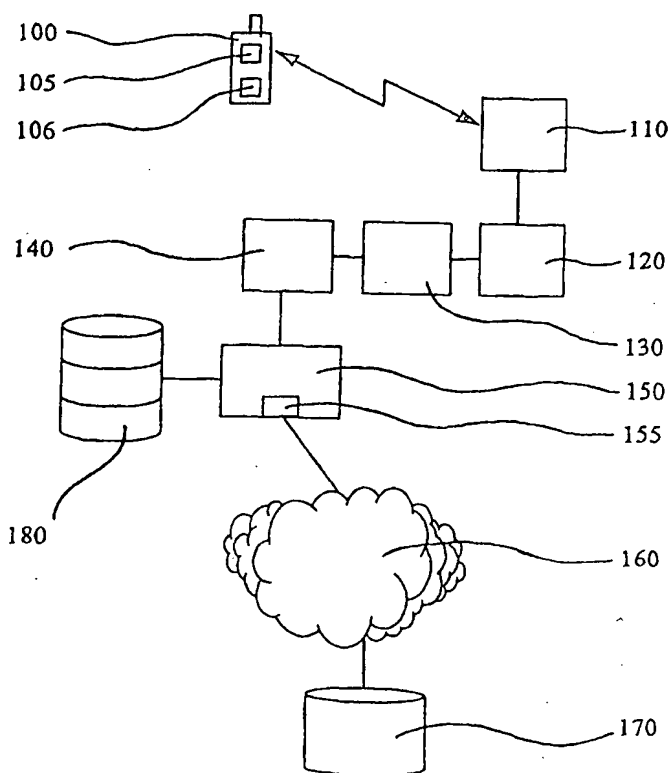
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Published*With international search report.**Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

(54) Title: METHOD AND ARRANGEMENT FOR ACCESSING INFORMATION IN A MOBILE COMMUNICATION NETWORK

(57) Abstract

The present invention refers to a method and an arrangement for accessing information stored at a server and being retrievable using the Internet. According to the invention, another server is used for storing address data specifying the location of said information and for associating an identifier with said address data. Said identifier is transferred to a mobile station to be used when accessing said another server. Upon such an access the corresponding address data is derived and used for providing said information to said mobile station.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/01210

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9727546 A1 (EX MACHINA, INC.), 31 July 1997 (31.07.97), page 11, line 16 - page 13, line 5; page 17, line 17 - page 18, line 26; page 48, line 30 - page 50, line 9 --	1-14
A	EP 0777394 A1 (ALCATEL BELL), 4 June 1997 (04.06.97), see the whole document --	1-14
A	WO 9708906 A1 (SENDIT AB), 6 March 1997 (06.03.97), see the whole document --	1-14

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier document but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

29 November 1999

Date of mailing of the international search report

02-12-1999

Name and mailing address of the ISA/

Swedish Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 99/01210

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9811744 A1 (NOKIA TELECOMMUNICATIONS OY), 19 March 1998 (19.03.98), page 8, line 26 - page 13, line 14 --	1-14
P,Y	WO 9916263 A2 (NOKIA TELECOMMUNICATIONS OY), 1 April 1999 (01.04.99), page 3, line 32 - page 6, line 32; page 12, line 35 - page 14, line 35 -- -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SE 99/01210

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	9727546	A1	31/07/97	AU	1754397 A	20/08/97
				CA	2243555 A	31/07/97
				CN	1217800 A	26/05/99
				EP	0886826 A	30/12/98
EP	0777394	A1	04/06/97	JP	10004432 A	06/01/98
WO	9708906	A1	06/03/97	AU	6894196 A	19/03/97
				BR	9610197 A	11/08/98
				CA	2230544 A	06/03/97
				CN	1199534 A	18/11/98
				EP	0872128 A	21/10/98
				IL	123497 D	00/00/00
				NO	980836 A	29/04/98
				NZ	316656 A	28/07/98
				PL	325196 A	06/07/98
				SE	503752 C	26/08/96
				SE	9502995 A	26/08/96
WO	9811744	A1	19/03/98	AU	4304197 A	02/04/98
				EP	0861565 A	02/09/98
				FI	103546 B	00/00/00
				FI	963659 A	17/03/98
WO	9916263	A2	01/04/99	AU	9267498 A	12/04/99
				FI	973737 A	20/03/99

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PC-2998666	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE99/01210	International filing date (<i>day/month/year</i>) 02.07.1999	Priority date (<i>day/month/year</i>) 03.07.1998
International Patent Classification (IPC) or national classification and IPC ₇ H 04 Q 7/22		
Applicant SENDIT AB et al		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>7</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the report II <input checked="" type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input checked="" type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 14.01.2000	Date of completion of this report 23.10.2000
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer Nabil Ayoub/mj Telephone No. 08-782 25 00

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01210

I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

☒ the international application as originally filed.

☐ the description, pages _____, as originally filed,
 pages _____, filed with the demand,
 pages _____, filed with the letter of _____,
 pages _____, filed with the letter of _____.

☐ the claims, Nos. _____, as originally filed,
 Nos. _____, as amended under Article 19,
 Nos. _____, filed with the demand,
 Nos. _____, filed with the letter of _____,
 Nos. _____, filed with the letter of _____.

☐ the drawings, sheets/fig _____, as originally filed,
 sheets/fig _____, filed with the demand
 sheets/fig _____, filed with the letter of _____,
 sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, Nos. _____

☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01210

II. Priority

1. ☐ This report has been established as if no priority had been claimed due to the failure to furnish within the prescribed time limit the requested:
- ☐ copy of the earlier application whose priority has been claimed.
- ☐ translation of the earlier application whose priority has been claimed.

2. ☐ This report has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid.

Thus for the purpose of this report, the international filing date indicated above is considered to be the relevant date.

3. Additional observations, if necessary:

Priority is considered valid, therefore document WO 9916263 is of no relevance.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	<u>1-14</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-14</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-14</u>	YES
	Claims		NO

2. Citations and explanations

The claimed invention relates to a method and an arrangement for accessing information stored at a server and being retrievable using the Internet.

The claimed invention intends to provide an easy way for a user of a mobile station to access certain information published in the Internet. Another server is used for storing address data specifying the location of the information and for associating an identifier with the address data. The identifier is transferred to a mobile station to be used when accessing the another server. Upon such an access the corresponding address data is derived and used for providing said information to said mobile station.

Document cited in the International Search Report:

D1: WO, 9727546, A
D2: WO, 9811744, A
D3: EP, 0777394, A
D4: WO, 9708906, A

D1 discloses a system and a method for data communication connecting on-line networks with on-line and off-line computers. The system provides for broadcast of up to the minute notification centric information thereby providing an instant to action for users who are provided with the ability to instantaneously retrieve further detailed information. Data is transmitted from an information source (source server) to a central broadcast server as discrete message blocks using well-known high-speed protocol such as TCP/IP. When the central broadcast server receives the data packets from the information source, it pre-processes the data packets and wirelessly transmits the data packets (notification centric messages) to both on- and off-line user computer.

.../...

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

A user can register and subscribe to receive broadcasts via the computer and the registration/subscription information is transmitted to a subscriber database which is utilised by the central broadcast server to determine which subscribers receives which types of content. A universal resource locator (URL) code is attached to each of the notification centric messages as well as related

Internet address information (see, page 48 line 30 - page 49 line18). The notification message is displayed in the multimedia viewers of the user's computer and provide an automated direct wireless line connection back to the information source such that detailed data may be automatically downloaded to the user's computer (see, page 18 line 16 - line 26).

D1 differs from the claimed invention in claim 1, 9 and 12 in that D1 does not disclose the existence of an address server storing address data specifying the location of the information to be accessed neither that the mobile station accesses the address server using a URL designating the address server. Furthermore, D1 does not state that the notification message is transmitted using a short message based service neither that the user's computer accesses an address server using an Internet protocol over a data communication bearer service.

D2 discloses a method of accessing a data network in a digital mobile communication network providing short message service. A short message service centre (SC) is connected to the Internet network and uses the Internet protocols toward the Internet network. When requiring information from an Internet WWW page, a mobile user submits a short message addressed to the SC, the message containing an identifier for directly or indirectly indicating the WWW page (see, page 9 line 26 - page 11 line34).

D2 differs from the claimed invention in claim 1, 9 and 12 in that D2 does not state that the initiative for accessing the Internet is preceded by the transfer of an identifier from an address server to the user.

.../...

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

None of D1 and D2 discloses the existence of an address server storing address data associated with an identifier and specifying the location of the information to be accessed, or the method of accessing information by transmitting a notification message from the address server to the user using a short message based service, as defined in the present claims 1, 9 and 12. It is not considered obvious to a person skilled in the art to modify the method of any of the above mentioned documents so as to reach a method or arrangement as the one claimed in the present invention.

D3 discloses a mail service gateway, which interfaces between one network, for example Internet or Datacom where an electronic mail service is supported and a network (GSMN) for mobile communication. The gateway is adapted to enable the transmission of an electronic mail message from a terminal of the first network to a mobile terminal of the second network for mobile communications. The gateway decomposes the electronic mail message and generates a sequence of data blocks routed through the second network. The GSMN network includes a short message service centre (SMSC) which conforms to the GSM standard. Successive ones of the data blocks are adapted to apply the short message to a port in the GSM network where they are then routed to a mobile terminal.

D4 relates to a system and to a host arrangement for transmitting e-mail over a mobile telephone network with the aid of short text message routing means (SMS-C) existing in the network. According to D1, e-mail is coupled with a modified short text message containing an agent which, through the medium of control characters, is recognised in an address mobile station. Software in a computer decodes the agent and initiates the transmission of e-mail from the host arrangement, wherein the mail is loaded into the computer from the mobile station, via a PCMCIA connection.

None of the document D3 and D4 above discloses the special technical feature particular to the claimed invention in claims 1 - 14.

To summarise:

The claimed invention according to claims 1 - 14 is novel and is considered to involve an inventive step. The claimed invention in claims 1 - 14 is considered to have industrial applicability.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE99/01210

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 9916263	01.01.1999	15.09.1998	19.09.1997

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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